ACCESS SERVICE

7. Special Access Service (Cont'd)

7.2 Service Descriptions (Cont'd)

7.2.9 Ameritech Base Rate Services, Ameritech DS1 Service and Ameritech DS3 Service (Cont'd) T T

(B) Channel Configurations (Cont'd)

(4) Optional Features and Functions (Cont'd)

(b) Secondary Channels (Cont'd)

The technical specifications for this feature are described in Technical Publications, cited in Section 7.2 preceding. The bit rates of the secondary channel are shown in the following table:

Ameritech Base Rate Service Transmission Speed	Secondary Channel Transmission Speed	T
2.4 Kbps	133 Bps	
4.8 Kbps	266 Bps	
9.6 Kbps	533 Bps	
56.0 Kbps	2.66 Kbps	

(c) Clear Channel Capability

An arrangement which allows a customer to transport 1.536 Mbps of information on a 1.544 Mbps line rate with no constraint on the quantity or sequence of one and zero bits.

Clear Channel Capability is provided for both point to point and channelized Ameritech DS1 service and is a required option for Ameritech DS1 service when Ameritech 64 Kbps channels are multiplexed onto the Ameritech DS1 service. T T T

Where appropriate facilities are not immediately available, negotiated order intervals may apply. The technical specifications for this feature are as described in Technical Reference Publications, cited in Section 7.2 preceding.

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ACCESS SERVICE

7. Special Access Service (Cont'd)

7.2 Service Descriptions (Cont'd)

7.2.9 Ameritech Base Rate Services, Ameritech DS1 Service and Ameritech DS3 Service (Cont'd) T T

(B) Channel Configuration (Cont'd)

(4) Optional Features and Functions (Cont'd)

(d) Automatic Loop Transfer

The Automatic Loop Transfer provides protection on a 1 x N basis against failure of the facilities between a customer designated premises and the wire center serving that premises. Protection is furnished through the use of a switching arrangement that automatically switches to a spare channel when the working channel fails. The spare channel is not included as a part of the option. This option requires compatible equipment at both the serving wire center and the customer premises. The customer is responsible for providing the equipment at its premises. This feature is not available for channels with Clear Channel Capability.Equipment at the customer premises will be provided under tariff only if it existed in The Telephone Company inventory as of November 18, 1983.

(e) Transfer Arrangement

An arrangement that affords the customer an additional measure of flexibility in the use of their access channel(s). The arrangement can be utilized to transfer a leg of a Special Access Service to either the spare or working channel that terminates in either the same or a different customer premises. A key activated or dial-up control service is required to operate the transfer arrangement. A spare channel, if required, is not included as part of the option.

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ACCESS SERVICE

7. Special Access Service (Cont'd)

7.2 Service Descriptions (Cont'd)

7.2.9 Ameritech Base Rate Services, Ameritech DS1 Service and Ameritech DS3 Service (Cont'd)

(B) Channel Configuration (Cont'd)

(4) Optional Features and Functions (Cont'd)

(f) Interconnection - Central Office Multiplexing

(1) Ameritech DS3 to Ameritech DS1 Multiplexing

An arrangement that converts an Ameritech DS3 channel operating at a terminating speed of 44.736 Mbps to 28 Ameritech DS1 channels operating at a terminating speed of 1.544 Mbps using digital time division multiplexing (available with 128.0, 256.0 and 384.0 Kbps and 1.544 Mbps transport).

(2) Ameritech DS1 to Voice/Ameritech Base Rate/ 128.0, 256.0, 384.0 Kbps Transport Multiplexing C

An arrangement that converts an Ameritech DS1 (1.544 Mbps only) channel to 24 channels for use with Direct Analog Service, Ameritech Base Rate Service, and 128.0, C
256.0 or 384.0 Kbps Transport Services (multiple channels are required to provide individual 128.0, 256.0 or 384.0 Kbps channels). A channel of this Ameritech DS1 to the C
Hub can also be used for Program Audio, Dedicated Network Access Line, or Dedicated Access Line Services. Multiple channels may be required to provide individual Program Audio channels.

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ACCESS SERVICE

7. Special Access Service (Cont'd)

7.2 Service Descriptions (Cont'd)

7.2.9 Ameritech Base Rate Services, Ameritech DS1 Service and Ameritech DS3 Service (Cont'd)

(B) Channel Configuration (Cont'd)

(4) Optional Features and Functions (Cont'd)

(f) Interconnection - Central Office Multiplexing (Cont'd)

(3) Ameritech DS1 to DDS/DS0 Multiplexing

An arrangement that converts an Ameritech DS1(1.544 Mbps) channel to 23 DDS 64.0 Kbps channels utilizing digital time division multiplexing.

(4) DS0 to Subrate* Multiplexing

An arrangement that converts a DDS 64.0 Kbps channel to subspeeds of up to twenty 2.4 Kbps, ten 4.8 Kbps, or five 9.6 Kbps channels using digital time division multiplexing.

(g) DS0 Through Connection

An arrangement to cross-connect two DDS 2.4, 4.8, 9.6, 56.0 or 64.0 Kbps channels of two Ameritech DS1 (1.544) Mbps facilities at a Direct Digital Service Hub. The customer must provide system and channel assignment information.

(h) Fiber Hub Cross-connection

An arrangement to cross-connect Ameritech DS1 Service, (excluding Ameritech DS1 - 128.0, 256.0 and 384.0 Kbps Transport) Ameritech DS3 Service, or Ameritech Base Rate Service terminations to another service of the same speed at a designated Fiber Hub location. The customer must purchase service to the Fiber Hub from his designated premises. C

* Available only on a channel of an Ameritech 1.544 Mbps facility to a Telephone Company DDS Hub.

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ACCESS SERVICE

7. Special Access Service (Cont'd)

7.2 Service Description (Cont'd)

7.2.9 Ameritech Base Rate Services, Ameritech DS1 Service and Ameritech DS3 Service (Cont'd)

(B) Channel Configuration (Cont'd)

(4) Optional Features and Functions (Cont'd)

(l) ANRS Termination T

An arrangement to connect an Ameritech DS3, Ameritech DS1 or Ameritech Base Rate Local Distribution Channel or interoffice transport facility to an Ameritech Network Reconfiguration System (ANRS) location to allow the connected Ameritech DS3, Ameritech DS1, Ameritech Base Rate, Ameritech DS3 or Ameritech DS1 service to be reconfigured with ANRS. All Ameritech DS3, Ameritech DS1 and Ameritech Base Rate Services that are to be included in a customer's ANRS database must be terminated on an ANRS system location. Only services that are included in a customer's ANRS database may utilize the ANRS Termination feature. T T T T T

(j) Shared Network Arrangement

(i) A Shared Network Arrangement is a service offering that enables a customer (the "Service User") to connect subtending services to the multiplexed Ameritech DS3 or Ameritech DS1 service of another customer (the "Host Subscriber"), with the Telephone Company maintaining separate records and billing for each. Each customer will be billed for those rate elements associated with their own portion of the service configuration. Under no circumstances will the rates or charges for individual rate elements be split. This offering is limited to service configurations where a Service User obtains either subtending Direct Analog or Ameritech Base Rate circuits from a Host's multiplexed Ameritech DS1 service, or Ameritech DS1 circuits from a Host's multiplexed Ameritech DS3 service.

(ii) Under the Shared Network Arrangement, the Telephone Company may share record information with the Host Subscriber pertaining to the services of other users of the shared network. Such disclosure will be under the sole

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ACCESS SERVICE

7. Special Access Service (Cont'd)

7.2 Service Description (Cont'd)

7.2.9 Ameritech Base Rate Services, Ameritech DS1 Service and Ameritech DS3 Service (Cont'd)

(B) Channel Configuration (Cont'd)

(4) Optional Features and Functions (Cont'd)

(j) Shared Network Arrangement (Cont'd)

(ii) (Cont'd)

discretion of the Telephone Company as is necessary to perform billing reconciliations and/or other functions required in connection with maintaining account records.

(iii) Section 7.4.11 contains rate regulations specific to Shared Network Arrangements.

(k) Multiplexer Cross-Connection (MCC) N

An arrangement that allows one channel of a multiplexed Ameritech DS1 or Ameritech DS3 Service to be connected to one channel of the same bit rate and like signaling of another multiplexed Ameritech DS1 or Ameritech DS3 Service.

The lesser speed channel may be a Direct Analog Service between two Ameritech DS1 multiplexers, or an Ameritech Base Rate Service provided at 64 Kbps of bandwidth between two Ameritech DS1 multiplexers, or an Ameritech DS1 Service between two Ameritech DS3 multiplexers.

MCC will be provided at all Telephone Company locations where multiplexing is performed or between two Telephone Company locations where multiplexing is performed. N

(5) Ameritech Network Reconfiguration Service (ANRS)

(A) General

Ameritech Network Reconfiguration Service (ANRS) gives customers the ability to reconfigure networks, via electronic cross-connections, comprised of Ameritech DS3, Ameritech DS1 and Ameritech Base Rate channels connected at ANRS system locations. Reconfiguration may be accomplished by placing an electronic request via a customer provided terminal or by calling a Telephone Company attendant.

Certain material previously on this page now appears on 5th Revised Page 272.4.2. (TR831)

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ACCESS SERVICE

7. Special Access Service (Cont'd)

7.2 Service Description (Cont'd)

7.2.9 Ameritech Base Rate Services, Ameritech DS1 Service and Ameritech DS3 Service (Cont'd)

(B) Channel Configuration (Cont'd)

(5) Ameritech Network Reconfiguration Service (ANRS) (Cont'd)

(B) Service Description

M

Ameritech Network Reconfiguration Service gives customers the ability to reconfigure their networks via cross-connections of their Ameritech DS3, Ameritech DS1 and Ameritech Base Rate Service channels which are identified in a customer specific network database. The ANRS system location provides an interface at the DS3 (44.736 Mbps), DS1 (1.544 Mbps) and Base Rate (2.4 - 64 Kbps) levels. The customer may specify cross-connections at the DS3, channelized DS3, DS1, channelized DS1, or Base Rate level.

M

Customer access to ANRS may be made directly by the customer utilizing customer provided terminal equipment on the customer's premises in conjunction with a Dedicated Network Access Link or dial-in line. Access is also available through a Telephone Company attendant reached by a dial access telephone line.

ANRS will give the customer the ability to make changes in the individual channel segments of their network. Customers may reconfigure Ameritech DS3, Ameritech DS1 or Ameritech Base Rate or Ameritech DS1 service. Customers may also reconfigure Direct Analog channels that are channels of a reconfirgurable channelized Ameritech DS1 service. To utilize this capability, customers must order appropriate Ameritech DS1 multiplexing in addition to the ANRS Terminations at the DS1 level and the ANRS service.

ANRS will be available on a continuous basis except for the performance of scheduled preventative and routine maintenance or scheduled software updates. The customer will be notified at least 24 hours in advance of any scheduled service interruptions.

ANRS system locations are found in the National Exchange Carrier Association, Inc., Tariff F.C.C. No. 4.

Certain material on this page previously appeared on
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7. Special Access Service (Cont'd)

7.2 Service Description (Cont'd)

7.2.9 Ameritech Base Rate Services, Ameritech DS1 Service and Ameritech DS3 Service (Cont'd)

(B) Channel Configuration (Cont'd)

(5) Ameritech Network Reconfiguration Service (ANRS) (Cont'd) T

(C) Technical Specifications

Services that are cross-connected by the Ameritech Network Reconfiguration Service will not operate properly unless they have identical technical characteristics to ensure compatibility and proper operation. ANRS customers are responsible for the compatibility of the services they choose to cross-connect. T T

If the Telephone Company determines that the technical characteristics of services selected for cross-connection by the customer are not compatible, they will advise the customer and give them the opportunity to change the order.

The Ameritech Network Reconfiguration Service specifications are delineated in Technical Reference AM-TR-OAT-000064. T

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ACCESS SERVICE

7. Special Access Service (Cont'd)

7.2 Service Descriptions (Cont'd)

7.2.9 Ameritech Base Rate Services, Ameritech DS1 Service and Ameritech DS3 Service (Cont'd) T T

(B) Channel Configuration (Cont'd)

(6) Technical Specifications Packages

The technical specifications for Ameritech Base Rate Services, Ameritech DS1 Service and Ameritech DS3 Service are delineated in Technical References. Ameritech Base Rate Services (DA1-5) are described in TR-NPL-000341, and Ameritech Base Rate (DA6) as described in AM-TR-OAT-000070. Ameritech DS1 (HC1) and DS3 (HC3) are described in TR-INS-000342 and AM-TR-TMO-000101. Ameritech DS1 (HX) is described in AM-TR-TMO-000106. T T T

The Telephone Company will provide an Ameritech Base Rate channel to provide connectivity at terminating speeds from 2.4 Kbps through 64.0 Kbps with error-free second performance typified by a monthly average objective of 99.875 percent while the channel is in service. Such performance must be measured through a CSU equivalent which is designed, manufactured, and maintained to conform with the specifications contained in Technical Reference PUB AM-TR-OAT-000070. The overall performance of an individual circuit will depend upon the performance characteristics of data communications equipment that is provided and maintained by the customer as well as network conditions. Error-free second performance is provided to indicate typical circuit performance objectives, not as an assurance of performance on an individual circuit. T

For an Ameritech DS1 channel operating at a terminating bit rate of 1.544 Mbps (HC1), the Telephone Company will provide a channel capable of an error-free second performance of 99.75 percent over a continuous 24 hour period as measured at the 1.544 Mbps rate through a NCTE equivalent which is designed, manufactured and maintained to conform with the specifications in Technical Reference Publication PUB 62411. Additional transmission performance specifications are described in AM-TR-TMO-000101; all transmission performance specifications listed in this document replace any specifications contained in other Ameritech DS1 or Ameritech DS3 Technical References. T T

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ACCESS SERVICE

7. Special Access Service (Cont'd)

7.2 Service Descriptions (Cont'd)

7.2.9 Ameritech Base Rate Services, Ameritech DS1 Service and Ameritech DS3 Service (Cont'd) T T

(B) Channel Configuration (Cont'd)

(7) Network Channel Interfaces

The network channel interfaces define the bit rates that are available for Ameritech Base Rate, Ameritech DS1 and Ameritech DS3 channels operating at terminating speeds 2.4 Kbps, 4.8 Kbps, 9.6 Kbps, 19.2 Kbps, 56.0 Kbps, 64.0 Kbps, 1.544 Mbps and 44.736 Mbps. Network channel interfaces and codes are described in 7.3 following. T

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ACCESS SERVICE

7. Special Access Service (Cont'd)

7.2 Service Descriptions (Cont'd)

7.2.10 Ameritech OC-3 Service, Ameritech OC-12 Service, and Ameritech OC-48 Service C C

(A) Basic Channel Description

(1) General

Ameritech OC-3, Ameritech OC-12, and Ameritech OC-48 channels provide high speed synchronous optical fiber-based full duplex data transmission capabilities. These services provide optical data transmission with the following characteristics: C

- Ameritech OC-3 Service provides channels operating at the terminating bit rate of 155.52 Mbps; and,

- Ameritech OC-12 Service provides channels operating at the terminating bit rate of 622.08 Mbps.

- Ameritech OC-48 Service provides channels operating at the terminating bit rate of 2488.32 Mbps. N N

Ameritech OC-3, Ameritech OC-12, and Ameritech OC-48 channels may be used to connect: C

- a customer designated premises to another customer designated premises, with add/drop multiplexing capability at wire center locations between the two premises, or a customer designated premises to another customer designated premises without the add/drop multiplexing capability. C T C

- a customer designated premises to a Telephone Company location where add/drop multiplexing, add/drop functions and/or cross-connections are performed.

Optical Transmission paths for Ameritech OC-3 Service, Ameritech OC-12 Service, and Ameritech OC-48 Service are differentiated by bit rate and the quality of transmission is as delineated by the Optical Interface definitions in the Technical Reference Publications cited in 7.2 preceding. C C

Ameritech OC-3 Service, Ameritech OC-12 Service, and Ameritech OC-48 Service may be connected by (1) using the appropriate OC-3, OC-12 or OC-48 add/drop multiplexer (mux) along with the add/drop function to an Ameritech DS1 and/or Ameritech DS3 at suitably equipped wire centers, or (2), by using the full bandwidth premises to premises. C C

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ACCESS SERVICE

7. Special Access Service (Cont'd)

7.2 Service Descriptions (Cont'd)

7.2.10 Ameritech OC-3 Service, Ameritech OC-12 Service, and Ameritech OC-48 Service (Cont'd) C C

(A) Basic Channel Description (Cont'd)

(1) General (Cont'd)

Where appropriate facilities are not immediately available, negotiated intervals may apply. M M

Ameritech OC-3 Service, Ameritech OC-12 Service, and OC-48 Service based on customer requirements can be configured in any of the following ways: C M M

OC-3 - three STS-1 (Synchronous Transport Signals) channels which each contain: T

- one DS3 that is STS-1 mapped;
- up to 28 DS1s that are VT-mapped;
- an STS-1 channel without constraint to payload mapping when the STS-1 channel does not terminate via an add/drop function to DS1 or DS3 services within the Ameritech network;

- a single concatenated STS-3C channel.

OC-12 - twelve STS-1 channels which each contain:

- one DS3 that is STS-1 mapped;
- up to 28 DS1s that are VT-mapped;
- an STS-1 channel without constraint to payload mapping when the STS-1 channel does not terminate via an add/drop function to DS1 or DS3 services within the Ameritech network;

- four concatenated STS-3C channels;

- from one to three STS-3Cs channels mixed with from three to nine STS-1 channels subject to utilization of the total OC-12 capacity:

- a single concatenated STS-12C channel. T

Certain material on this page previously appeared on 12th Revised Page 273.
Certain material previously on this page now appears on 4th Revised Page 273.1.1. (TR852)

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ACCESS SERVICE

7. Special Access Service (Cont'd)

7.2 Service Descriptions (Cont'd)

7.2.10 Ameritech OC-3 Service, Ameritech OC-12 Service, and Ameritech OC-48 Service (Cont'd) C C

(A) Basic Channel Description (Cont'd)

(1) General (Cont'd)

OC-48 - forty-eight STS-1 channels which each contain: N

- one DS3 that is STS-1 mapped;
- up to 28 DS1s that are VT-mapped;
- an STS-1 channel without constraint to payload mapping when the STS-1 channel does not terminate via an add/drop function to DS1 or DS3 services within the Ameritech network;

- sixteen concatenated STS-3C channels;
- from one to fifteen concatenated STS-3C channels, mixed with from three to forty-five STS-1 channels subject to utilization of the total OC-48 capacity;
- four concatenated STS-12Cs channels;
- from one to three concatenated STS-12C channels, mixed with from twelve to thirty-six STS-1 channels subject to utilization of the total OC-48 capacity;
- from one to three concatenated STS-12C channels, mixed with from four to twelve concatenated STS-3C channels, also mixed with from three to thirty-three STS-1 channels subject to utilization of the total OC-48 capacity.
- from one to three concatenated STS-12C channels, mixed with from one to eleven concatenated STS-3C channels, also mixed with from three to thirty-three STS-1 channels, subject to utilization of the total OC-48 capacity. N

The customer is responsible via the ordering process to identify what STS signal configuration is to be contained in each OC-3, OC-12 and OC-48 service connection and each STS-1, STS-3 and/or STS-12 payload content. This information is needed for routing and connection purposes in the network. M C | C M

Certain material on this page previously appeared on 6th Revised Page 273.1.
Certain material previously on this page now appears on Original Page 273.1.1.1 and 2nd Revised Page 273.1.2. (TR852)

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ACCESS SERVICE

7. Special Access Service (Cont'd)

7.2 Service Descriptions (Cont'd)

7.2.10 Ameritech OC-3 Service, Ameritech OC-12 Service, and Ameritech OC-48 Service (Cont'd)

(B) Channel Configuration

(1) Ameritech OC-3, Ameritech OC-12 and Ameritech OC-48 Local Distribution Channels C M

Ameritech OC-3, Ameritech OC-12 and Ameritech OC-48 Channels consist of Local Distribution Channels (LDCs), interoffice transport, and optional features and functions. C M M

Ameritech OC-3, Ameritech OC-12 and Ameritech OC-48 Local Distribution Channels provide optical interconnection between the Telephone Company Serving Wire Center (SWC) and the customer premises. C M | M

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ACCESS SERVICE

7. Special Access Service (Cont'd)

7.2 Service Descriptions (Cont'd)

7.2.10 Ameritech OC-3 Service, Ameritech OC-12 Service , and Ameritech OC-48 Service (Cont'd) C C

(B) Channel Configuration (Cont'd) M

The following types of LDCs are available:

Terminating Bit Rate	Loop Format	Data Transmission Format	Interface
155.52	4 fiber	Synchronous	FC B
622.08	4 fiber	Synchronous	FC D M
2488.32	4 fiber	Synchronous	FC H N

When Ameritech OC-3 Service, Ameritech OC-12 Service and Ameritech OC-48 Service is provided, the customer is responsible for providing the Optical Line Termination (OLT) at the customer's premises. The OLT supplied at the customer premises must be compatible with the OLT used by the Telephone Company in the Serving Wire Center. The Telephone Company will work cooperatively with the customer to select compatible OLTs which conform to the requirements set forth in Technical Reference Publication AM-TR-TMO-000101. C M M

(1) Ameritech OC-3, Ameritech OC-12 and Ameritech OC-48 Local Distribution Channels (Cont'd) C M

All LDCs comprising a channel must have the same terminating bit rate unless multiplexing is performed at a Telephone Company Hub location.

(2) Interoffice Transport

Interoffice Transport facilities comprised of Channel Mileage Termination (CMT), described in Section 7.1.2(B) preceding, and Channel Mileage (CM), described in Section 7.1.2(C) preceding, provide the transmission paths between Serving Wire Centers associated with two customer designated premises or between a Serving Wire Center associated with a customer premises and a Telephone Company Hub location. Three interoffice transport types are available. OC-3 which supports bit rate of 155.52, OC-12 transport at the 622.08 bit rate and OC-48 transport at a bit rate of 2488.32. M C C

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ACCESS SERVICE

7. Special Access Service (Cont'd)

7.2 Service Descriptions (Cont'd)

7.2.10 Ameritech OC-3 Service, Ameritech OC-12 Service, and Ameritech OC-48 Service (Cont'd) C C

(B) Channel Configuration (Cont'd) M

(2) Interoffice Transport (Cont'd) M

Ameritech OC-3 LDCs are interconnected to OC-3 transport. M
Ameritech OC-12 LDCs are interconnected to OC-12 transport. M
Ameritech OC-48 LDCs are interconnected to OC-48 transport. N

In addition, interoffice transport can be connected between wire centers with Add/Drop multiplexing at a lower OC-N speed than the LDC, if the transport is between a lower speed Add/Drop Function and: N

- another lower speed Add/Drop Function;
- another lower speed Local Distribution Channel;
- a lower speed Dedicated Ring Port;
- a lower speed Cross-Connect

All of the above terminations must be the same speed as the transport. N

(3) Optional Features and Functions M

The following optional features and functions are available: Add/Drop Multiplexing, Add/Drop Function, 1+1 Protection, 1+1 Protection with Cable Survivability, 1+1 Protection with Route Survivability and OC-3, OC-12 and OC-48 cross-connects. M C

(a) OC-3, OC-12 and OC-48 Add/Drop Multiplexing C

An arrangement that allows an Ameritech OC-3, Ameritech OC-12 or Ameritech OC-48 channel operating at a terminating speed of 155.52 Mbps, 622.08 Mbps and 2488.32 Mbps, repectively, to add/drop a lower speed channel by using this feature along with the add/drop function as stated in (b) following. C C M M

Certain material previously on this page now appears Original Page 273.1.5.
Certain material on this page previously appeared on 1st Revised Page 273.1.2. (TR852)

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ACCESS SERVICE

7. Special Access Service (Cont'd)

7.2 Service Descriptions (Cont'd)

7.2.10 Ameritech OC-3 Service, Ameritech OC-12 Service, and Ameritech OC-48 Service (Cont'd)

(B) Channel Configuration (Cont'd)

(3) Optional Features and Functions (Cont'd)

(a) OC-3, OC-12 and OC-48 Add/Drop Multiplexing C

OC-3 add/drop multiplexing at a Telephone Company wire center will provide the capability to support the full add/drop function capacity of OC-3 Service bandwidth with up to 3 DS3 add/drop functions or equivalently up to 3 groups of 28 DS1 add/drop functions.

OC-12 add/drop multiplexing at a Telephone Company wire center will provide the capability to support the full add/drop function capacity of OC-12 service bandwidth with up to 4 OC-3 add/drop functions or up to twelve DS3 add/drop functions or equivalent combinations of OC-3 and DS3 add/drop functions. C

OC-48 add/drop multiplexing at a Telephone Company wire center will provide the capability to support one quarter of the add/drop function capacity of OC-48 service bandwidth. Up to four OC-48 add/drop multiplexing options may be provided with each supporting one OC-12 add/drop function, or up to 4 OC-3 add/drop functions or up to twelve DS3 add/drop functions or equivalent combination of OC-3 and DS3 add/drop functions. N N

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ACCESS SERVICE

7. Special Access Service (Cont'd)

7.2 Service Descriptions (Cont'd)

7.2.10 Ameritech OC-3 Service, Ameritech OC-12 Service, and Ameritech OC-48 Service (Cont'd)

(B) Channel Configuration (Cont'd)

(3) Optional Features and Functions (Cont'd)

(b) Add/Drop Function M

The Ameritech OC-3 Service, Ameritech OC-12 Service and Ameritech OC-48 are able to add or drop lower level signals as shown in the matrix following. The add/drop function is offered at a circuit level. For example, if a customer wants to drop one Ameritech DS3 signal from an Ameritech OC-12 service, they would pay one add/drop charge for the DS3, plus the OC-12 add/drop multiplexing charge. C M

An Ameritech OC-3, Ameritech OC-12 and Ameritech OC-48 Service is only able to add/or drop the services that have been identified by payload content (mapping) within the bandwidth. DS1 mapped STS-1 signals are only able to connect to an Ameritech DS1, and DS3 mapped STS-1 signals are only able to connect to an Ameritech DS3. If a change is required it may be accomplished by the customer's CPE or through the current asynchronous environment for multiplexing of Ameritech DS3 and Ameritech DS1 services stated in Section 7.2.9.

The options in (a) and (b) above cannot be used with Ameritech OC-3 or OC-12 Service configured by the customer to contain a single non-channelized (concatenated) STS-3C or STS-12C signal, respectively. M

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7. Special Access Service (Cont'd)

7.2 Service Descriptions (Cont'd)

7.2.10 Ameritech OC-3 Service, Ameritech OC-12 Service, and Ameritech OC-48 Service (Cont'd)

C
C

(B) Channel Configuration (Cont'd)

(3) Optional Features and Functions (Cont'd)

ADD/DROP Function

	DS1	DS3	OC3	OC12
OC-48	No*	Yes	Yes	Yes
OC- 12	No*	Yes	Yes	N/A
OC-3	Yes	Yes	N/A	N/A

C
N
C
C

* to add/drop a DS1 from an OC-12 and/or OC-48, an intermediate step at either OC-3 or DS3 must be taken. C

(c) OC-3, OC-12 and OC-48 Cross-Connect C

An arrangement to cross-connect Ameritech OC-3 Service, Ameritech OC-12 Service or Ameritech OC-48 Service to another service or to an add/drop function of the same speed at a wire center for the same or for a different customer on a per circuit basis. The customer must purchase service to the wire center from his designated premises. One charge applies per service cross-connected. C C

(d) 1+1 Protection

The base Ameritech OC-3 Service, Ameritech OC-12 Service and Ameritech OC-48 Service are offered with four fibers in the same cable, but the protection card will only be activated when this option is ordered. This will allow customers to order protection if their CPE can accommodate it. C C

(e) 1+1 Protection with Cable Survivability

This option will provide 1+1 protection and additional loop survivability with the working fiber pair and protect fiber pair placed in separate cables within the same conduit.

(TR852)

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ACCESS SERVICE

7. Special Access Service (Cont'd)

7.2 Service Descriptions (Cont'd)

7.2.10 Ameritech OC-3 Service, Ameritech OC-12 Service, and Ameritech OC-48 Service (Cont'd) Sy Sy

(B) Channel Configuration (Cont'd)

(3) Optional Features and Functions (Cont'd)

(f) 1+1 Protection with Route Survivability (Cont'd) Sy

This option will provide 1+ 1 protection and offer additional protection from fiber cable cuts by routing the working fiber pair via the primary route and the protect fiber pair via a physically diverse alternate route. The protect fiber will be charged on a distance sensitive basis, based on quarter route miles, from the customer premises to the serving wire center. Sy

This option will also assure 100 percent availability of the service. Any service interruption will result in a credit equal to one month's bill for the circuit involved. If the interruption occurs on a Local Distribution Channel without this option, normal terms and conditions for out of service credits as stated in 2.4.4 preceding will apply. An interruption period will start when an inoperative service is reported to the Telephone Company and end when the service is operative. In any month, as a result of an interruption, the total credit per rate element of the interrupted service may not exceed 100 percent of the monthly charge for that particular rate element. All other terms and conditions for Credit Allowances as stated in 2.4.4 preceding, will apply.

Prior to confirming an order for service, the Telephone Company will provide a proposed route diagram to the customer. The diagram will include the number of quarter route miles and method used to support the number needed to provide the alternate route. In order to avoid compromising Route Survivability information, the Telephone Company will provide this information only to the ordering customer.

Installation of the 1+1 protection with Route Survivability option will not begin until the customer has accepted the proposed routing by the Telephone Company.

Certain material previously on this page now appears on Original Page 273.2.3.
y Material effective February 5, 1995 under Transmittal No. 852. (TR862)

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ACCESS SERVICE

7. Special Access Service (Cont'd)

7.2 Service Descriptions (Cont'd)

7.2.10 Ameritech OC-3 Service, Ameritech OC-12 Service, and Ameritech OC-48 Service (Cont'd)

(B) Channel Configuration (Cont'd)

(3) Optional Features and Functions (Cont'd)

(g) 1+1 Protection with Site Survivability N

(a) 1+1 Protection with Central Office Survivability for Ameritech OC-3 and Ameritech OC-12

This option will provide 1+1 protection and offer additional protection from Serving Wire Center (SWC) failure for services not terminating at the SWC by routing the working fiber pair via the primary route to the customer's SWC and the protect fiber pair to an alternate wire center chosen by the Telephone Company. The protect fiber will be charged on a distance sensitive basis, based on quarter route miles, from the customer premises to the alternate wire center. Channel Mileage and Channel Mileage Terminations for the appropriate Ameritech OC-3 or Ameritech OC-12 service ordered will be charged between the SWC and the alternate wire center using the V&H coordinates method as stated in National Exchange Carrier Association Tariff F.C.C. No. 4.

This option will also assure 100 percent availability of the service. Any service interruption will result in a credit equal to one month's bill for the circuit involved. If the interruption occurs on a Local Distribution Channel without this option, normal terms and conditions for out of service credits as stated in 2.4.4 preceding will apply. An interruption period will start when an inoperative service is reported to the Telephone Company and end when the service is operative. In any month, as a result of an interruption, the total credit per rate element of the interrupted service may not exceed 100 percent of the monthly charge for that particular rate element. All other terms and conditions for Credit Allowances as stated in 2.4.4 preceding, will apply. N

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ACCESS SERVICE

7. Special Access Service (Cont'd)

7.2 Service Descriptions (Cont'd)

7.2.10 Ameritech OC-3 Service, Ameritech OC-12 Service, and Ameritech OC-48 Service (Cont'd) Sy Sy

(B) Channel Configuration (Cont'd)

(3) Optional Features and Functions (Cont'd)

(g) 1+1 Protection with Site Survivability (Cont'd) N

(a) 1+1 Protection with Central Office survivability for Ameritech OC-3 and Ameritech OC-12 (Cont'd)

Prior to confirming an order for service, the Telephone Company will provide a proposed diagram to the customer. The diagram will include the number of quarter route miles and method used to support the number needed to provide the route to the alternate wire center. In order to avoid compromising Central Office Survivability information, the Telephone Company will provide this information only to the ordering customer.

Installation of the 1+1 protection with Central Office Survivability option will not begin until the customer has accepted the proposed routing by the Telephone Company.

If the customer wants to use this optional feature as a ring extension with Ameritech OC-12 or Ameritech OC-48 Dedicated Ring Service, then both the customer's Serving Wire Center and alternate wire center must have Nodes located on the ring. The Telephone Company will work cooperatively with the customer to determine the appropriate alternate wire center to be used for the Dedicated Ring situation. Channel Mileage and Channel Mileage Termination will not apply to this option when used with a ring extension. N

(h) Point-to-Point OC-48 Regenerator T

Regenerators provide essential detection and retransmission of SONET Optical 2488.32 Mbps signals between customer premises. Regenerators will only be provided as required by the Telephone Company when actual fiber facility distances between customer designated premises and/or central office locations exceed design limits (typically 25 to 30 miles). Regenerators will be located exclusively in Telephone Company central offices. My My

y Material effective February 5, 1995 under Transmittal No. 852.
Certain material on this page previously appeared on 2nd Revised Page 273.2.1. (TR862)

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ACCESS SERVICE

7. Special Access Service (Cont'd)

7.2 Service Descriptions (Cont'd)

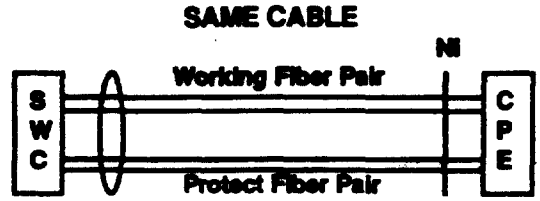
7.2.10 Ameritech OC-3 Service, Ameritech OC-12 Service , and Ameritech OC-48 Service (Cont'd)

(B) Channel Configuration (Cont'd)

(3) Optional Features and Functions (Cont'd)

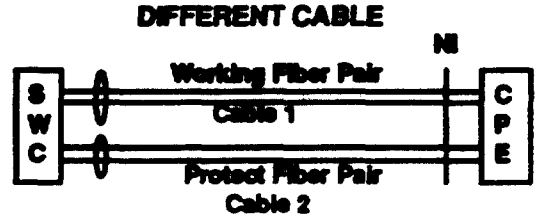
The following diagrams provide an example of (d), (e) and (f) above:

(d)



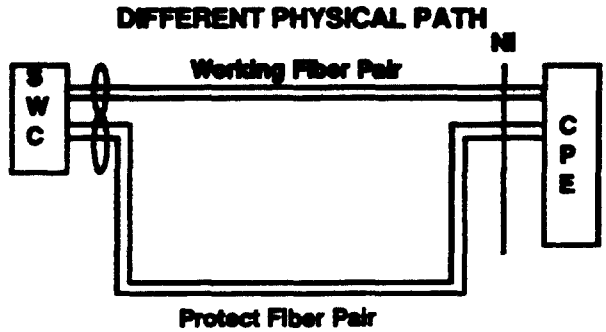
T

(e)



T

(f)



T

(TR962)

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ACCESS SERVICE

7. Special Access Service (Cont'd)

7.2 Service Descriptions (Cont'd)

7.2.10 Ameritech OC-3 Service, Ameritech OC-12 Service , and Ameritech OC-48 Service (Cont'd)

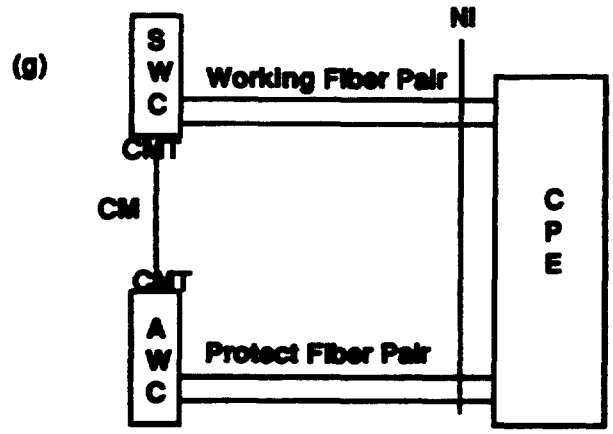
(B) Channel Configuration (Cont'd)

(3) Optional Features and Functions (Cont'd)

The following diagram provides an example of (g) above:

N

ALTERNATE WIRE CENTER



*CM = Channel Mileage
*CMT = Channel Mileage Terminations

N

* These two rate elements do not apply when used with ring extension. (TR862)

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ACCESS SERVICE

7. Special Access Service (Cont'd)

7.2 Service Descriptions (Cont'd)

7.2.10 Ameritech OC-3 Service, Ameritech OC-12 Service, and Ameritech OC-48 Service (Cont'd) Sy Sy

(B) Channel Configuration (Cont'd)

(3) Optional Features and Functions (Cont'd)

(I) Shared Network Arrangement T

(i) A Shared Network Arrangement is a service offering that enables a customer ("Service User") to connect subtending services to the multiplexed Ameritech OC-3, Ameritech OC-12 or Ameritech OC-48 service of another customer (the "Host Subscriber"), with the Telephone Company maintaining separate billing for each. Each customer will be billed for those rate elements associated with their own portion of the service configuration. Under no circumstances will the rates or charges for individual rate elements be split. This offering is limited to service configurations where a Service User obtains either subtending Ameritech DS3 or DS1 from a Host's multiplexed Ameritech OC-3 service or an Ameritech OC-3 service from a Host's multiplexed Ameritech OC-12 service or an Ameritech OC-12 service from a Hosts' multiplexed Ameritech OC-48 service. Sy Sy Sy

(ii) Under the Shared Network Arrangement, the Telephone Company may share record information with the Host subscriber pertaining to the services of other users of the shared network. Such disclosure will be under the sole discretion of the Telephone Company and is necessary to perform billing reconciliation and/or other functions required in connection with maintaining account records.

(iii) Section 7.4.12 contains rate regulations specific to Shared Network Arrangements.

(4) Technical Specifications Packages

The technical specifications for Ameritech OC-3, Ameritech OC-12 and Ameritech OC-48 are described in Technical References, AM-TR-NIS-000111 and AM-TR-TMO-000101. Sy Sy

y Material effective February 5, 1995 under Transmittal No. 852. (TR862)

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